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60/136.703 **28 May 1999 (28.05.1999)** **US**
- (71) Applicant: **CEPHEID [US/US]; 1190 Borregas Avenue, Sunnyvale, CA 95089 (US).**
- (72) Inventors: **PETERSEN, Kurt, E.; 460 Oak Grove Drive, #205, Santa Clara, CA 95054 (US). TAYLOR, Michael, T.; 6304 Buena Vista Drive #C, Newark, CA 94560 (US). POURAHMADI, Farzad; 41013 Pajaro Drive, Fremont, CA 94539 (US). MCMILLAN, William, A.; 8051 Presidio Drive, Cupertino, CA 95014 (US). CHANG, Ronald; 3312 Hoover Street, Redwood City, CA 94063 (US). SAKAI, Stanley, H.; 10325 Menhart Lane, Cupertino, CA 95014 (US). CHING, Jesus; 2317 Alcalde Street, Santa Clara, CA 95054 (US). BELGRADER, Phillip; 719 Pebble Way, Manteca, CA 94336 (US). NORTHRUP, M., Allen; 616 Vistamont Avenue, Berkeley, CA 94708 (US). DORITY, Douglas, B.; 25 Castle Rock Drive, Mill Valley, CA 94941 (US).**
- (74) Agents: **CHOW, Y., Ping et al.; Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA 94025-3506 (US).**
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(54) Title: **APPARATUS AND METHOD FOR ANALYZING A FLUID SAMPLE**

(57) Abstract: A cartridge for separating a desired analyte from a fluid sample has a sample flow path and a lysing chamber (86) in the sample flow path. The lysing chamber contains at least one filter for capturing cells or viruses from the sample as the sample flows through the lysing chamber. Beads are also disposed in the lysing chamber for rupturing the cells or viruses to release the analyte therefrom. An analyte flow path extends from the lysing chamber and diverges from the sample flow path. The analyte flow path preferably leads to a reaction chamber for chemically reacting and optically detecting the analyte. The cartridge also includes at least one flow controller (e.g., valves) for directing the sample into the waste chamber after the sample flows through the lysing chamber and for directing the analyte separated from the sample into the analyte flow path.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 99 09042 A (CEPHEID) 25 February 1999 (1999-02-25) claims	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Coucke, A

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Information on patent family members

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